

## Product datasheet for **SM297F**

### Bsg Mouse Monoclonal Antibody [Clone ID: OX-47]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-47
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	T blasts from a mixed lymphocyte reaction. Spleen cells from immunised BALB/c mice were fused with cells from the NS0/1 mouse myeloma cell line.
Specificity:	This antibody recognises a membrane glycoprotein of MW 42-48 kD. Clone OX-47 is reported to be suitable for use in Western blotting. (4)
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	basigin
Database Link:	<a href="#">Entrez Gene 25246 Rat P26453</a>



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- Background:** OX-47 is expressed at high levels on activated lymphocytes but lower levels on resting cells. The antigen is also present on some endothelia. The antigen contains two Ig-like domains and an unusual transmembrane domain with a charged residue. It is abundant on activated lymphocytes: it is the homologue of the chicken blood brain barrier antigen HT7.(2)
- Synonyms:** Basigin, BSG, EMMPRIN, TCSF